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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/551,547	04/18/2000	Takanobu Ihara	040373/0280	2187

22428 7590 06/16/2004

FOLEY AND LARDNER  
SUITE 500  
3000 K STREET NW  
WASHINGTON, DC 20007

EXAMINER

GESESSE, TILAHUN

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 06/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/551,547

Applicant(s)

IHARA, TAKANOBU

Examiner

Tilahun B Gesesse

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 4/1/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,4 and 6-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4 and 6-11 is/are rejected.
- 7) ☐ Claim(s) 12-28 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This is in response to applicant's amendment and response filed April 1, 2004, in which claims 1-2,4,6-28 are pending.

#### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2,4,6-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Arai (U.S. patent No. 5,517,551).

As to claim 1, Arai discloses a private branch exchange (101) system (figure 1) comprising: a plurality of mobile stations (109 to 114) each having a plurality of extension numbers and a plurality of different line keys (external line 1) (311 of figure 4) and physically present thereon (column 2, lines 31-46, column 4, lines 11-24 and figure 1, 4 and 5A-C, 7-8). Arai discloses a base station (fixed units) wirelessly connected to the plurality of mobile stations (109-114), (figure 1). Arai discloses an exchange station (102) for performing call control of the plurality of mobile stations through the base station (column 2, lines 31-46 and figures 1, 11)

As to claim 2, Arai discloses at least one of said plurality of extension numbers set for the plurality of mobile stations is a unique extension number for

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each of the plurality mobile stations (column 6, lines 15-25).

As to claim 4, Arai discloses all limitations as explained in claim 1, further more, Arai discloses the plurality of mobile stations has the same extension number as that of one predetermined other mobile stations (column 6, lines 15-25).

As to claim 6, Arai discloses a plurality of mobile stations (109 to 114) each having a plurality of extension numbers (external lines 1-n) and each extension number having a different line key (118) set for said plurality of extension numbers respectively (column 2, lines 31-46, column 4, lines 11-24 and figure 1, 4 and 5A-C, 7-8).

As to claims 7-11, Arai discloses the plurality of mobile stations each have line buttons for setting the plurality of lines (316) ( depressing speech button (S751) (figures 5A-C, 6 and 13).

As to claims 10-11, Arai discloses the plurality of mobile stations each have line buttons for setting the plurality of lines (316) ( depressing speech button (S751) (figures 5A-C, 6 and 13).

#### ***Allowable Subject Matter***

4. Claims 12-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the prior art does teach the call control section performs call

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control of the plurality of mobile sections based on the direction sent from the line state control section. This limitation in conjunction with all limitations of the independent claims, have not been disclosed, taught, or made obvious over the prior art of record.

***Response to Argument***

5. Applicant's arguments filed 4/1/04 have been fully considered but they are not persuasive.

On page 11, fifth paragraph applicant's response, argued that Arai does not teach mobile units.

The examiner disagrees. Arai teaches mobile units 109-114) (see figure 1). Further more, Arai teaches also a PBX (102) with wired extension telephones (103-105) under control of main control unit (102) (figure 1).

On page 12, first paragraph of response , applicant argued that the line keys 12 are not to be confused with display 15.

The examiner disagrees. The line keys as per specification page 7, lines 19-21, line keys 12 for setting a telephone line for each extension number possessed by mobile stations (10a to 10c).

This teaching is an analogous to teaching of Arai (column 3, lines 17-20 and figure 4).

Applicant's arguments do not comply with 37 CFR 1.111(c) because they do not clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the

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objections made. Further, they do not show how the amendments avoid such references or objections.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Suzuki et al (5,978,667) discloses PBX and plurality of extensions and mobile stations and private and public extension are interfacing to each other mechanism (figure 1).

Schumacher et al (5,841,854) discloses plurality of extension numbers and mobile stations are interfacing to each other (figure 1).

Mitsuo discloses PBX including extension numbers and mobile stations are interfacing each other , (abstract and figure 1).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 703-308-5873. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

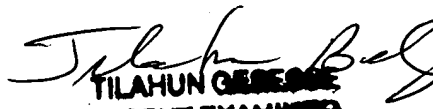
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TBG

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June 14, 2004

  
TILAHUN GEBESE  
PATENT EXAMINER